



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 09/885,002 | 06/21/2001 | David Adams | 500582.20033 | 5044 |

7590 12/16/2004
Eugene LeDonne, Esq
REED SMITH LLP
375 Park Avenue
New York, NY 10152

RECEIVED
JAN 10 2005
Technology Center 2600

| EXAMINER | |
|-----------------|--------------|
| UBILES, MARIE C | |
| ART UNIT | PAPER NUMBER |
| 2642 | |

DATE MAILED: 12/16/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/885,002

Applicant(s)

ADAMS ET AL.

Examiner

Marie C. Ubiles

Art Unit

2642

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 21 June 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-15 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☒ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 11/24/03, 7/20/04.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Oath/Declaration

1. The oath or declaration is defective. A new oath or declaration in compliance with 37 CFR 1.67(a) identifying this application by application number and filing date is required. See MPEP §§ 602.01 and 602.02.

The oath or declaration is defective because:

It does not identify the city and either state or foreign country of residence of each inventor. The residence information may be provided on either on an application data sheet or supplemental oath or declaration.

The post office address is missing.

Double Patenting

2. The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and, *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

3. Claims 8-10 are rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1 and 20 of U.S. Patent No. 6,230,006. Although the conflicting claims are not identical, they are not patentably distinct from each other because they both disclose a system for remotely testing a

telecommunications network or a switch in a calling area by means of establishing a test call or phone call through a controller and a remote call processor.

In reference to the limitations regarding to the classification of audio signals related to test telephone call and the test telephone call passing or failing, the Examiner takes Official Notice that it is well-known in the art to classify audio signals as busy, fast busy, voice, fax by means, for example, of Mechanized Loop Testing (MLT) of a telephone number.

4. Claims 1-5 and 11-15 are rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1, 14 and 20 of U.S. Patent No. 6,230,006 in view of Dean (US 6201802).

As for claims 1 and 11-15, US 6,230,006 discloses the same system as that claimed by Applicant, with the added limitation "...and for re-synchronizing said remote call processor (RCP) with a time protocol server; accessing said time protocol server so as to re-synchronize said remote call processor".

Dean teaches a system and method to synchronize with the transmission from a base station, a remote unit performs repeated time offset searches with the pilot PN code until the pilot channel is detected. It would have been obvious to one of ordinary skill in the art to add the function taught by Dean to US 6,230,006 and thus in this manner provide proper communication since remaining synchronized with each base station when a telephone call or other communication is in progress is especially useful as it assists in conducting a soft handoff rapidly. (See Background, Col. 1, lines 54-56 and Col. 2, lines 9-14).

As for claims 2-5, the "time stamping" and "time duration" determination functions may be read on Dean's teachings about how to correct "drifting errors" in a cellular system, measurement of time in the base station is used for such purposes (See, for example, Col. 4, lines 21-33).

5. Claim 6-7 are rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1 and 20 of U.S. Patent No. 6,230,006 in view of Dean (US 6201802), as applied to claims 1-5 and 11-15 above, and further in view of Vimpari et al. (US 6,169,883).

The combination of US 6,230,006 and Dean taught the system as that claimed by Applicant except for the "...at least one test short message service (SMS) data to said destination telecommunication device; and testing by said controller of said destination telecommunications device receiving said test SMS data so as to verify proper operation of SMS signal transmission in said telecommunications network."

Vimpari et al. teaches the use of SMS or a protocol built on SMS for sending the message starting measurement functions in a cellular system (See Col. 11, lines 13-17). It would have been obvious to one of ordinary skill in the art to modify the combination of US 6,230,006 and Dean, and thus in this manner being able to start a test by means of a remote operation center, a subscriber network element or a base station (See Col. 5, lines 36-46).


Art Unit: 2642

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Marie C. Ubiles whose telephone number is (703) 305-0684. The examiner can normally be reached on 8am-5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ahmad Matar can be reached on (703) 305-4731. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Marie C. Ubiles
December 11, 2004.


AHMAD F. MATAR
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2700

24 2003

EXPRESS MAIL NO. EV336594984US

Sheet 1 of 6

FORM PTO-14
(REV. 7-80)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.
191115.407C2

APPLICATION NO.
09/885,002

INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)

APPLICANTS
David Adams et al.

FILING DATE
June 21, 2001

GROUP ART UNIT
2683

U.S. PATENT DOCUMENTS

| *EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|----------------------|----|-----------------|----------|-----------------|-------|----------|-------------------------------|
| mau | AA | 5,481,588 | 01/02/96 | Rickli et al. | 379 | 32 | |
| mau | AB | 5,490,204 | 02/06/96 | Gulledge | 379 | 59 | |
| mau | AC | 5,615,225 | 03/25/97 | Foster et al. | 379 | 29 | |
| mau | AD | 5,706,333 | 01/06/98 | Grenning et al. | 379 | 59 | |
| mau | AE | 5,768,689 | 06/16/98 | Borg | 455 | 67.4 | |
| mau | AF | 5,835,564 | 11/10/98 | Chang et al. | 379 | 1 | |
| mau | AG | 5,903,633 | 05/11/99 | Lorsch | 379 | 114 | |
| mau | AH | 5,930,707 | 07/27/99 | Vambaris et al. | 455 | 424 | |
| mau | AI | 5,931,907 | 08/03/99 | Davies et al. | 709 | 218 | |
| mau | AJ | 5,933,776 | 08/03/99 | Kirkpatrick | 455 | 423 | |
| mau | AK | 5,987,306 | 11/16/99 | Nilsen et al. | 455 | 67.1 | |

FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NUMBER | DATE | COUNTRY | TRANSLATION | |
|-----|----|-----------------|----------|---------|-------------|----|
| | | | | | YES | NO |
| mau | AL | WO 98/58509 | 12/23/98 | WIPO | | ✓ |
| mau | AM | WO 99/25140 | 05/20/99 | WIPO | | ✓ |
| mau | AN | WO 99/27721 | 06/03/99 | WIPO | | ✓ |

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | | | | | |
|-----|----|--|--|--|--|--|
| mau | AO | | "What is a Type-56 Responder/Type-105 Test Line?" Sage Instruments, Freedom, CA. | | | |
| mau | AP | | "356EC Cellular Responder," Sage Instruments, Freedom, CA, 1991. | | | |
| mau | AQ | | "356 TMK Cellular Responder," Sage Instruments, Freedom, CA, 1991. | | | |

EXAMINER

DATE CONSIDERED

12/10/04

* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

NOV 24 2003

EXPRESS MAIL NO. EV336594984US

Sheet 2 of 6

| | | | |
|---|--|----------------------------------|-------------------------------|
| FORM PT 449 (REV. 7-80) | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTY. DOCKET NO. 191115.407C2 | APPLICATION NO. 09/885,002 |
| INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) | | APPLICANTS David Adams et al. | |
| | | FILING DATE June 21, 2001 | GROUP ART UNIT 2683 |

U.S. PATENT DOCUMENTS

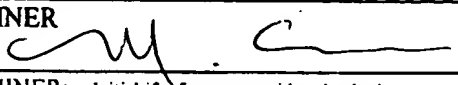
| *EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|----------------------|----|-----------------|----------|-------------------|-------|----------|-------------------------------|
| ma | BA | 6,055,425 | 04/25/00 | Sinivaara | 455 | 431 | |
| ma | BB | 6,118,982 | 09/12/00 | Ghisler et al. | 455 | 67.4 | |
| ma | BC | 6,230,002 | 05/08/01 | Floden et al. | 455 | 411 | |
| ma | BD | 6,230,006 | 05/08/01 | Keenan et al. | 455 | 424 | |
| ma | BE | 6,233,448 | 05/15/01 | Alperovich et al. | 455 | 417 | |
| ma | BF | 6,234,810 | 05/22/01 | Schnell et al. | 439 | 76.1 | |
| ma | BG | 6,234,844 | 05/22/01 | Somerville et al. | 439 | 630 | |
| ma | BH | 6,236,853 | 05/22/01 | Mee et al. | 455 | 414 | |
| ma | BI | 6,240,301 | 05/29/01 | Phillips | 455 | 550 | |
| ma | BJ | 6,244,553 | 06/12/01 | Wang | 248 | 278.1 | |
| ma | BK | 6,244,911 | 06/12/01 | Heim | 439 | 862 | |
| ma | BL | 6,249,276 | 06/19/01 | Ohno | 345 | 173 | |
| ma | BM | 6,253,073 | 06/26/01 | Cooper | 455 | 411 | |

FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NUMBER | DATE | COUNTRY | TRANSLATION |
|--|----|-----------------|------|---------|-------------|
| | | | | | YES NO |
| | BN | | | | |

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | |
|----|----|--|
| ma | BO | "Specifications: 930A Communications Test Set," Sage Instruments, Freedom, CA, 1990. |
| ma | BP | "CellSTAR Automated Transmission Test System," Sage Instruments, Freedom, CA. |
| ma | BQ | "CellSTAR," Sage Instruments, Freedom, CA, 1992. |
| ma | BR | "CellSTAR System Worksheet," Sage Instruments, Freedom, CA, 1992. |

| | |
|---|-----------------------------|
| EXAMINER  | DATE CONSIDERED 12/10/04 |
| * EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s). | |

| | | | |
|---|--|----------------------------------|-------------------------------|
| FORM P-449 (REV. 7-80) | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTY. DOCKET NO. 191115.407C2 | APPLICATION NO. 09/885,002 |
| INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) | | APPLICANTS David Adams et al. | |
| | | FILING DATE June 21, 2001 | GROUP ART UNIT 2683 |

U.S. PATENT DOCUMENTS

| *EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|----------------------|----|-----------------|----------|-----------------|-------|----------|-------------------------------|
| ma | CA | 6,259,921 | 07/10/01 | Totaro et al. | 455 | 445 | |
| ma | CB | 6,259,929 | 07/10/01 | Kuisma | 455 | 550 | |
| ma | CC | 6,261,128 | 07/17/01 | Heim et al. | 439 | 630 | |
| ma | CD | 6,264,506 | 07/24/01 | Yasufuku et al. | 439 | 638 | |
| ma | CE | 6,266,527 | 07/24/01 | Mintz | 455 | 423 | |
| ma | CF | 6,272,450 | 08/07/01 | Hill et al. | 703 | 13 | |
| ma | CG | 6,278,706 | 08/21/01 | Gibbs et al. | 370 | 352 | |
| ma | CH | 6,278,886 | 08/21/01 | Hwang | 455 | 566 | |
| ma | CI | 6,282,182 | 08/28/01 | Pecen et al. | 370 | 336 | |
| ma | CJ | 6,282,491 | 08/28/01 | Bochmann et al. | 701 | 209 | |
| ma | CK | 6,283,376 | 09/04/01 | Schuder et al. | 235 | 486 | |
| ma | CL | 6,285,869 | 09/04/01 | Shannon et al. | 455 | 411 | |

FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NUMBER | DATE | COUNTRY | TRANSLATION | |
|--|----|-----------------|------|---------|-------------|----|
| | | | | | YES | NO |
| | CM | | | | | |

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | |
|----|----|--|
| ma | CN | "Revenue Assurance Products," Network Performance Improvement Products, Comarco Wireless Technologies, http://www.comarco.com/html/revenue_assurance_series.htm , accessed August 10, 1998. |
| ma | CO | "Automated Remote Origination Network Test System," IC Engineering, Inc., Owings Mills, MD, November, 1991. |
| ma | CP | "Model RTS-1 Remote Access/Loopback Terminal Set Instructions," Metro Tel, Practise 56-0018, Issue 2, September 1991. |
| ma | CQ | Huffman, M., "Cut Travel Time For Translations," Telephone Employees & Management, pages 72-73, March 1, 1992. |

| | |
|---|-----------------------------|
| EXAMINER <i>[Signature]</i> | DATE CONSIDERED 12/10/04 |
| * EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s). | |



| | | | |
|---|--|----------------------------------|-------------------------------|
| FORM PTO-49 (REV.7-80) | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTY. DOCKET NO. 191115.407C2 | APPLICATION NO. 09/885,002 |
| INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) | | APPLICANTS David Adams et al. | |
| | | FILING DATE June 21, 2001 | GROUP ART UNIT 2683 |

U.S. PATENT DOCUMENTS

| *EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|----------------------|----|-----------------|----------|-------------------|-------|----------|-------------------------------|
| man | DA | 6,292,666 | 09/18/01 | Siddiqui et al. | 455 | 456 | |
| man | DB | 6,292,668 | 09/18/01 | Alanara et al. | 455 | 466 | |
| man | DC | 6,295,454 | 09/25/01 | Havinis et al. | 455 | 456 | |
| man | DD | 6,298,247 | 10/02/01 | Alperovich et al. | 455 | 558 | |
| man | DE | 6,301,475 | 10/09/01 | Saarela et al. | 455 | 426 | |
| man | DF | 6,305,960 | 10/23/01 | Fan | 439 | 188 | |
| man | DG | 6,307,934 | 10/23/01 | Möster et al. | 379 | 438 | |
| man | DH | 6,308,069 | 10/23/01 | Freitag et al. | 455 | 435 | |
| man | DI | 6,308,070 | 10/23/01 | Laster | 455 | 445 | |
| man | DJ | 6,308,317 | 10/23/01 | Wilkinson et al. | 717 | 5 | |
| man | DK | 6,311,054 | 10/30/01 | Korpela | 455 | 406 | |
| man | DL | 6,311,055 | 10/30/01 | Boltz | 455 | 414 | |

FOREIGN PATENT DOCUMENTS

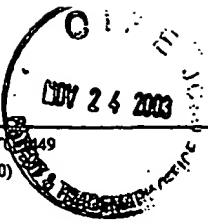
| | | DOCUMENT NUMBER | DATE | COUNTRY | TRANSLATION | |
|--|----|-----------------|------|---------|-------------|----|
| | | | | | YES | NO |
| | DM | | | | | |

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | | |
|-----|----|--|---|
| man | DN | | "TMS Product Catalog," Metro Tel, Hicksville, NY, September 1991. |
| man | DO | | "Remote Test Set: Instruction Manual - Model RTS-1," Metro Tel Corp., Hicksville, NY. |
| man | DP | | "ARONTS Presentation Outline," Metro Tel Sales Presentation, 1991. |
| man | DQ | | "Remote Loopback Test Set Model RTS-1," Metro Tel Corp., Hicksville, NY, April 1988. |

| | |
|--------------|-----------------------------|
| EXAMINER | DATE CONSIDERED 12/10/04 |
|--------------|-----------------------------|

* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).



| | | | |
|---|--|----------------------------------|-------------------------------|
| FORM PTO 149 (REV. 7-80) | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTY. DOCKET NO. 191115.407C2 | APPLICATION NO. 09/885,002 |
| INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) | | APPLICANTS David Adams et al. | |
| | | FILING DATE June 21, 2001 | GROUP ART UNIT 2683 |

RECEIVED

DEC 02 2003

Technology Center 2000

U.S. PATENT DOCUMENTS

| *EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|----------------------|----|-----------------|----------|----------------|-------|----------|-------------------------------|
| AMC | EA | 6,314,290 | 11/06/01 | Joshi et al. | 455 | 427 | |
| mcu | EB | 6,320,751 | 11/20/01 | Takeda et al. | 361 | 737 | |
| mcu | EC | 6,320,873 | 11/20/01 | Nevo et al. | 370 | 466 | |
| mcu | ED | 6,321,079 | 11/20/01 | Cooper | 455 | 411 | |
| mcu | EE | 6,321,084 | 11/20/01 | Horrer | 455 | 431 | |
| mcu | EF | 6,324,402 | 11/27/01 | Waugh et al. | 455 | 445 | |
| mcu | EG | 6,324,412 | 11/27/01 | Alen et al. | 455 | 567 | |
| mcu | EH | 6,326,543 | 12/04/01 | Lamp et al. | 174 | 52.1 | |
| mcu | EI | 6,327,153 | 12/04/01 | Rauhala et al. | 361 | 737 | |
| McU | EJ | 6,332,579 | 12/25/01 | Ritter | 235 | 492 | |
| mcu | EK | 6,334,052 | 12/25/01 | Nordstrand | 455 | 411 | |
| mcu | EL | 6,341,069 | 01/22/02 | Torlotin | 361 | 737 | |

FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NUMBER | DATE | COUNTRY | TRANSLATION | |
|--|----|-----------------|------|---------|-------------|----|
| | | | | | YES | NO |
| | EM | | | | | |

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | |
|-----|----|---|
| mcu | EN | "Remote Access & Test Set Model RTS-1," Metro Tel Corp., Jericho, NY, 1992. |
| mcu | EO | "Telephone Network Test System," Metro Tel Corp., Hicksville, NY. |
| mcu | EP | U.S. Patent Application No. 10/194,937, filed July 11, 2002. |
| mcu | EQ | U.S. Patent Application No. 10/194,417, filed July 11, 2002 |
| mcu | ER | U.S. Patent Application No. 10/194,938, filed July 11, 2002. |

| | |
|---|-----------------------------|
| EXAMINER | DATE CONSIDERED 12/10/04 |
| * EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s). | |

| | | | |
|---|--|----------------------------------|-------------------------------|
| FORM PTO-59 (REV. 7-80) | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTY. DOCKET NO. 191115.407C2 | APPLICATION NO. 09/885,002 |
| INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) | | APPLICANTS David Adams et al. | |
| | | FILING DATE June 21, 2001 | GROUP ART UNIT 2683 |

U.S. PATENT DOCUMENTS

Technology Center 2600


| *EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|----------------------|----|-----------------|----------|--------------------|-------|----------|-------------------------------|
| ma | FA | 6,341,220 | 01/22/02 | Hurme | 455 | 410 | |
| ma | FB | 6,341,228 | 01/22/02 | Hubbe et al. | 455 | 566 | |
| ma | FC | 6,343,945 | 02/05/02 | Liikanen | 439 | 160 | |
| ma | FD | 6,349,204 | 02/19/02 | Goetz et al. | 455 | 419 | |
| ma | FE | 6,353,737 | 03/05/02 | Herzog | 455 | 418 | |
| ma | FF | 6,375,073 | 04/23/02 | Aebi et al. | 235 | 379 | |
| ma | FG | 6,384,789 | 05/07/02 | Hofmann | 343 | 702 | |
| ma | FH | 6,385,300 | 05/07/02 | Mohammadian et al. | 379 | 21 | |
| ma | FI | 6,430,410 | 08/06/02 | Staber | 455 | 423 | |
| ma | FJ | 6,456,859 | 09/24/02 | Desblancs et al. | 455 | 558 | |
| ma | FK | 6,542,738 | 04/01/03 | Keenan et al. | 455 | 424 | |

FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NUMBER | DATE | COUNTRY | TRANSLATION | |
|--|----|-----------------|------|---------|-------------|----|
| | | | | | YES | NO |
| | FL | | | | | |
| | FM | | | | | |
| | FN | | | | | |
| | FO | | | | | |

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | |
|----|----|--|
| ma | FP | U.S. Patent Application No. 10/194,450, filed July 11, 2002. |
| ma | FQ | U.S. Patent Application No. 10/194,430, filed July 11, 2002. |
| ma | FR | U.S. Patent Application No. 10/194,440, filed July 11, 2002. |

| | |
|---|-----------------------------|
| EXAMINER  | DATE CONSIDERED 12/10/04 |
| * EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s). | |



U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.
191115.407C2

APPLICATION NO.
09/885,002

INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)

APPLICANTS
David Adams et al.

FILING DATE
June 21, 2001

GROUP ART UNIT
2683

U.S. PATENT DOCUMENTS

| *EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|----------------------|----|-----------------|----------|-------|-------|----------|-------------------------------|
| <i>mu</i> | AA | 5,875,398 | 02/23/99 | Snapp | 455 | 424 | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |

RECEIVED

JUL 23 2004

Technology Center 2600

FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NUMBER | DATE | COUNTRY | TRANSLATION | |
|--|----|--------------------|------|---------|-------------|----|
| | | | | | YES | NO |
| | AK | | | | | |
| | AL | | | | | |
| | AM | | | | | |
| | AN | | | | | |
| | AO | | | | | |

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | |
|--|----|--|
| | AP | |
| | AQ | |
| | AR | |

EXAMINER

DATE CONSIDERED

* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

Best Available Copy

Notice of References Cited

Application/Control No.

09/885,002

Applicant(s)/Patent Under
Reexamination
ADAMS ET AL.

Examiner

Marie C. Ubiles

Art Unit

2642

Page 1 of 1

U.S. PATENT DOCUMENTS

| * | | Document Number Country Code-Number-Kind Code | Date MM-YYYY | Name | Classification |
|---|---|--|-----------------|------------------|----------------|
| | A | US-6,169,883 | 01-2001 | Vimpari et al. | 455/67.11 |
| | B | US-6,201,802 | 03-2001 | Dean, Richard F. | 370/350 |
| | C | US-6,230,006 | 05-2001 | Keenan et al. | 455/424 |
| | D | US- | | | |
| | E | US- | | | |
| | F | US- | | | |
| | G | US- | | | |
| | H | US- | | | |
| | I | US- | | | |
| | J | US- | | | |
| | K | US- | | | |
| | L | US- | | | |
| | M | US- | | | |

FOREIGN PATENT DOCUMENTS

| * | | Document Number Country Code-Number-Kind Code | Date MM-YYYY | Country | Name | Classification |
|---|---|--|-----------------|---------|------|----------------|
| | N | | | | | |
| | O | | | | | |
| | P | | | | | |
| | Q | | | | | |
| | R | | | | | |
| | S | | | | | |
| | T | | | | | |

NON-PATENT DOCUMENTS

| * | | Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages) |
|---|---|---|
| | U | |
| | V | |
| | W | |
| | X | |

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.